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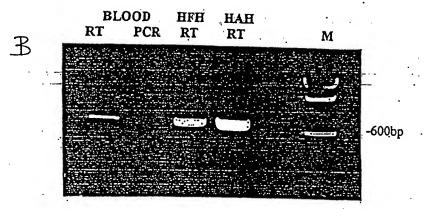
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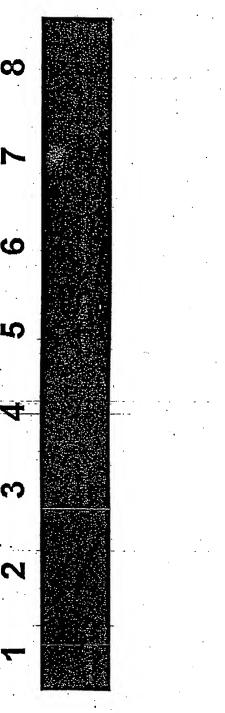
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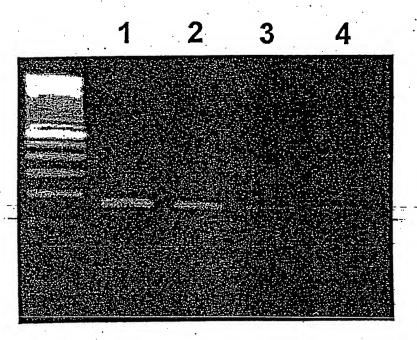
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APP APC
M RT PCR RT PCR





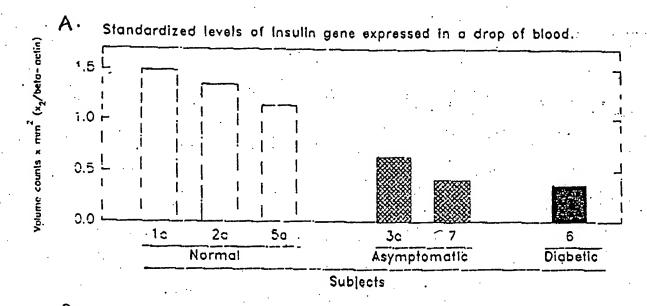
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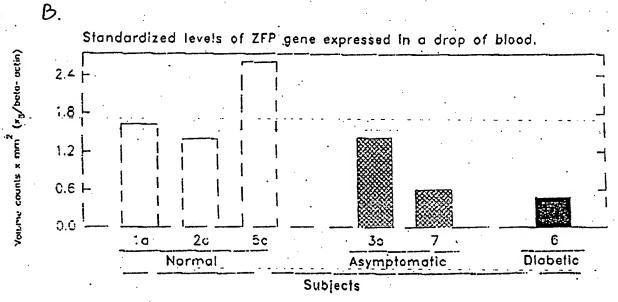


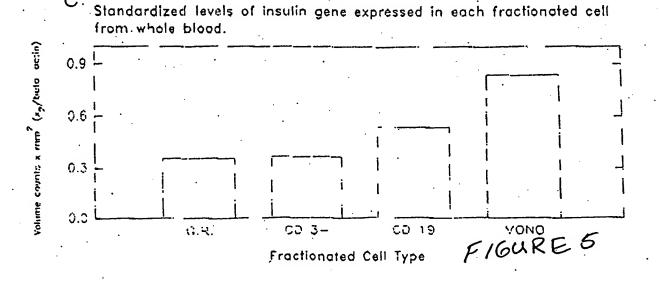
1 2 3

ZFP GADH

INS







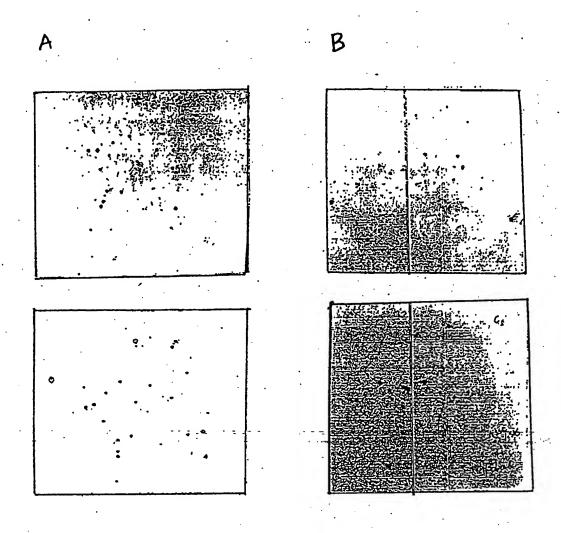


FIGURE 6

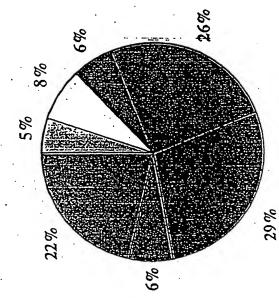
Total :13, 283 ESTs

Known: 6,283 Mitochondrial: 405 Ribosome: 498

Cell Division

Mis.: 156 Novel: 2,718 Repeat: 868

Human Blood



☐ Cell Signalling/Communication

M Cell structure/Motility

Cell/organism defense

國 Gene/Protein expression

Metabolism

國 Unclassified

Human Fetal Heart

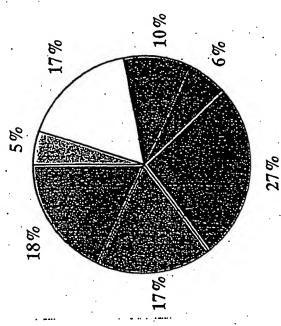
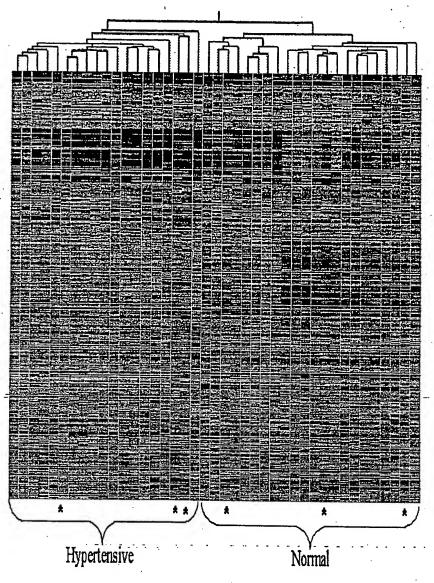


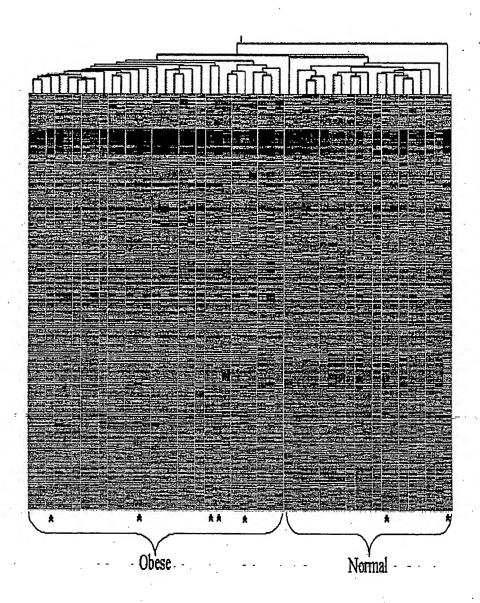
Figure 8
Hypertension



Hypertensive: 19

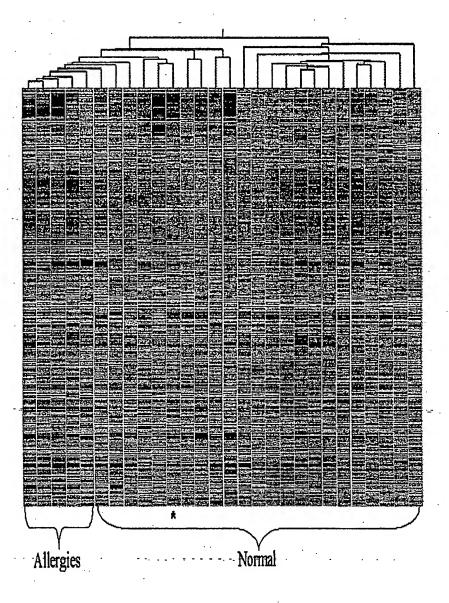
Normal: 22

Figure 9
Obesity



Obese: 25 Normal: 22

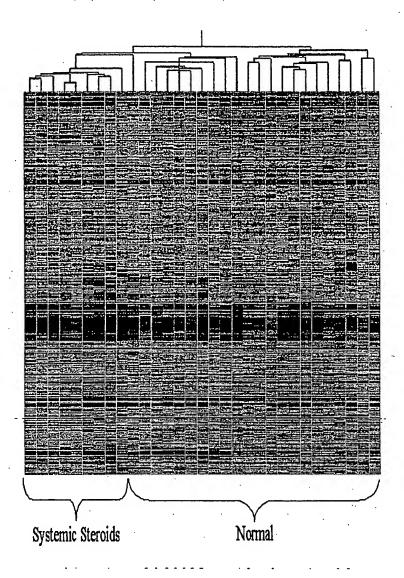
Figure 10 Allergies



Allergies: 6
Normal: 22
Differentially Expressed Genes (p<0.05): 633

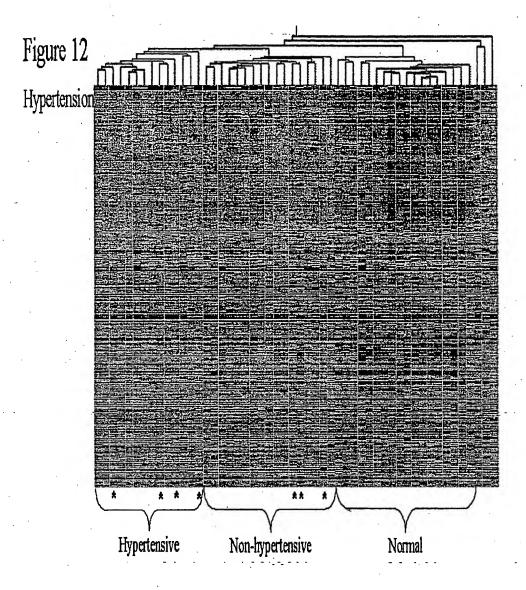
Figure 11
Systemic

Steroids

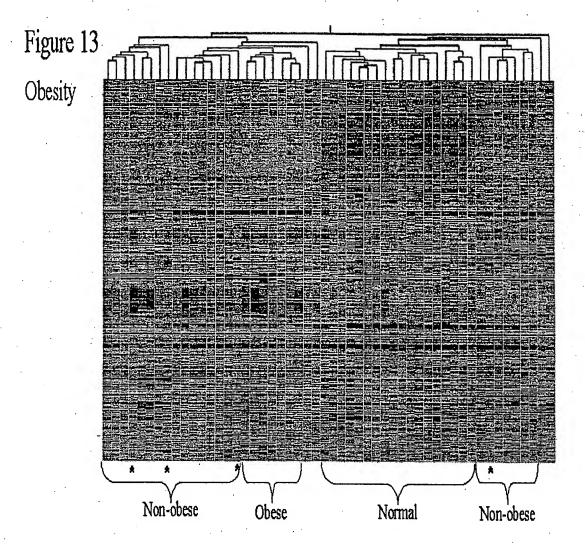


Systemic Steroids: 9

Normal: 22



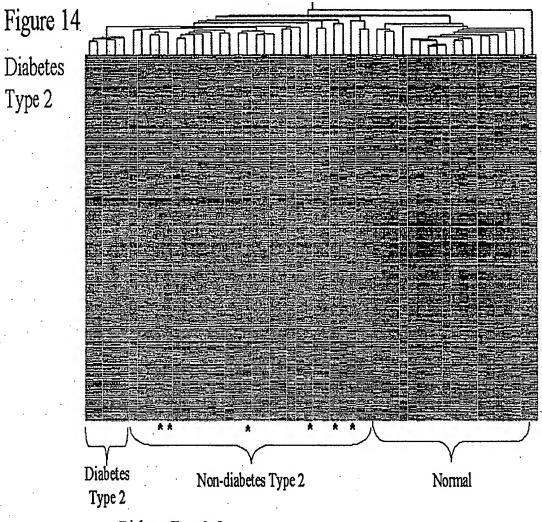
Hypertensive: 10
Non-hypertensive: 18
Normal: 24
Differentially Expressed Genes (p<0.05): 1,993



Obese: 8

Non-obese: 20

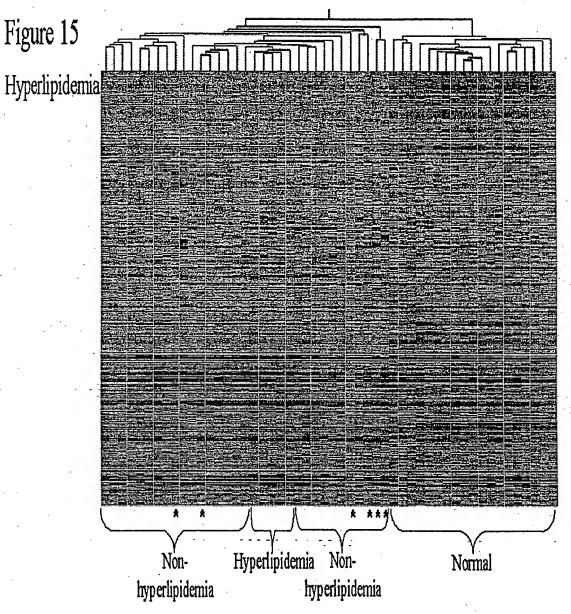
Normal: 24



Diabetes Type 2: 5

Non-diabetes Type 2: 23

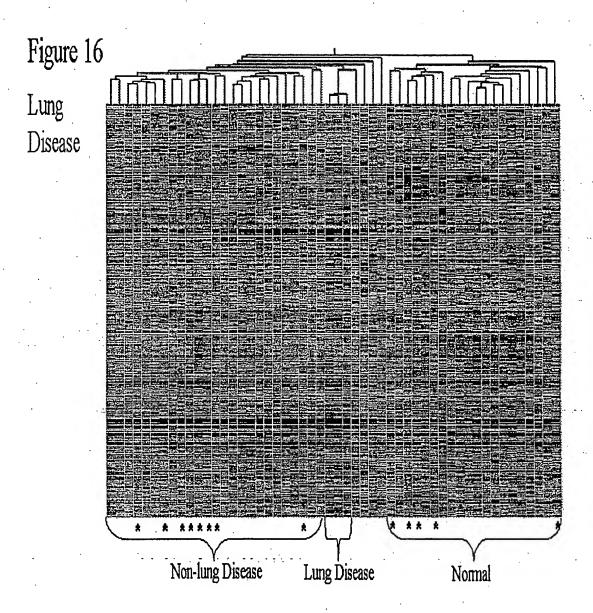
Normal: 24



Hyperlipidemia: 7

Non-hyperlipidemia: 21

Normal: 24

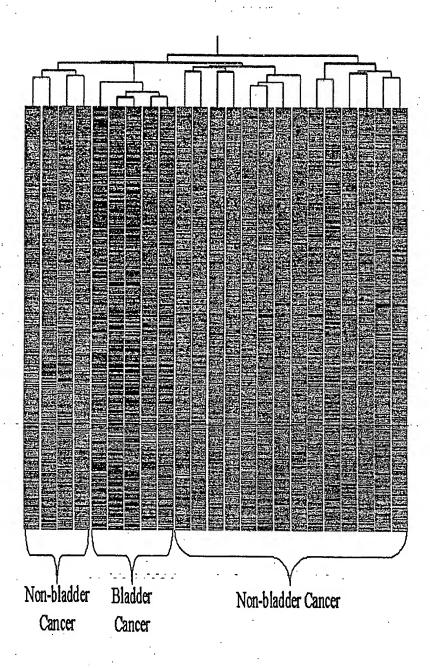


Lung Disease: 3

Non-lung Disease: 25

Normal: 24

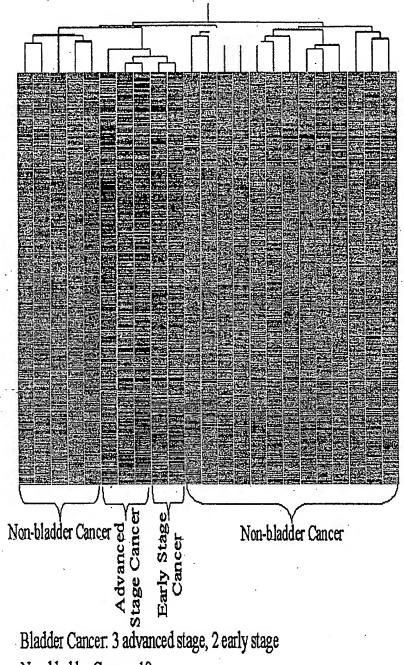
Figure 17
Bladder
Cancer



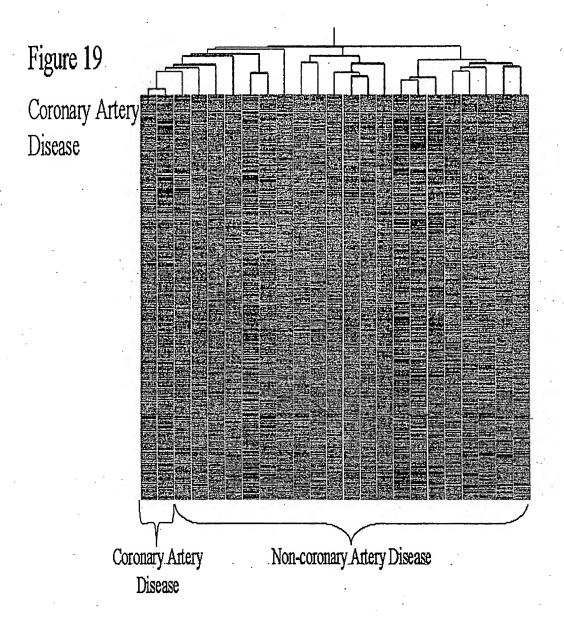
Bladder Cancer: 5 Non-bladder Cancer: 18 Differentially Expressed Genes (p<0.05): 4,228

Figure 18

Bladder Cancer



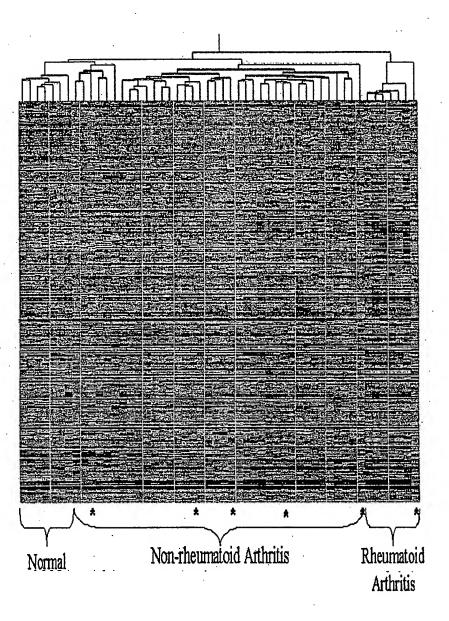
Non-bladder Cancer: 18



Coronary Artery Disease: 2

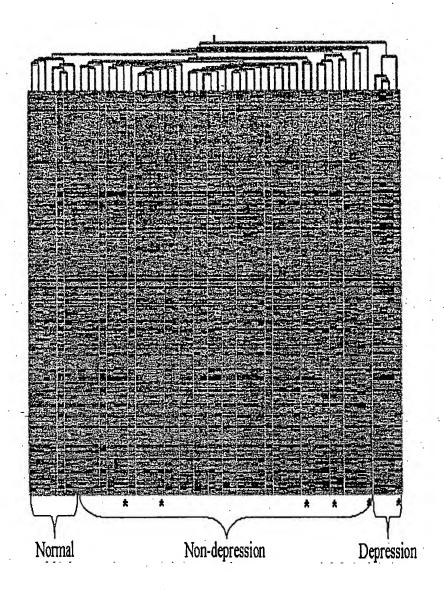
Non-coronary Artery Disease: 21

Figure 20
Rheumatoid
Arthritis



Rheumatoid Arthritis: 6
Non-rheumatoid Arthritis: 34
Normal: 12
Differentially Expressed Genes (p<0.05): 2,068

Figure 21
Depression

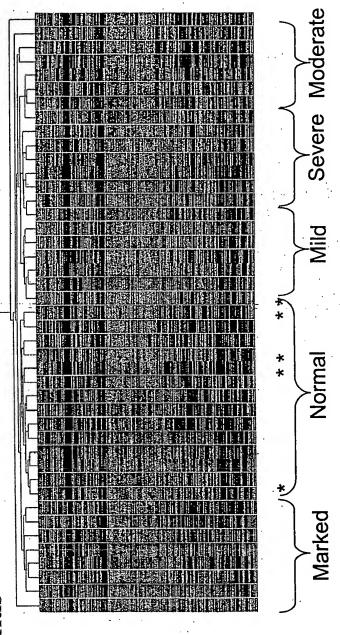


Depression: 3

Non-depression: 37

Normal: 12

Figure 22 Osteoarthritis



Osteoarthritis: 9 mild, 8 moderate, 8 marked, 9 severe Normal: 9

RT-PCR of overexpressed genes in CAD peripheral blood cells identified using microarray experiments, Figure 23

including PBP, PF4 and F13A.

1 V. 2. 10. 13 (1) 14 20 (1) Platelet Factor 4 Connective Tissue Activating Peptide III

Figure 24

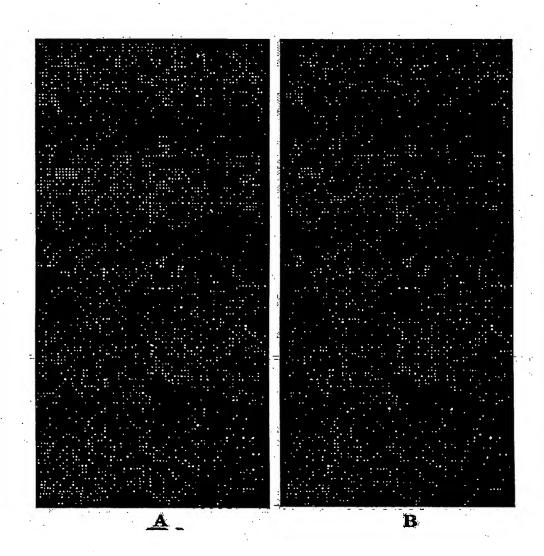
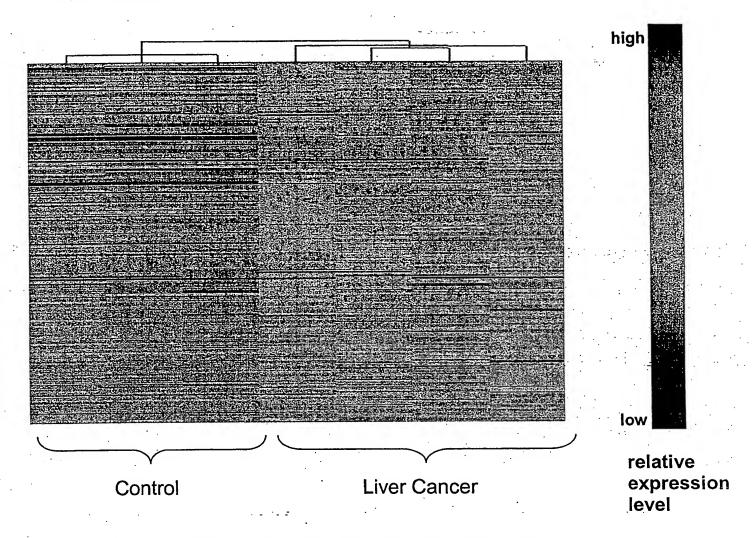
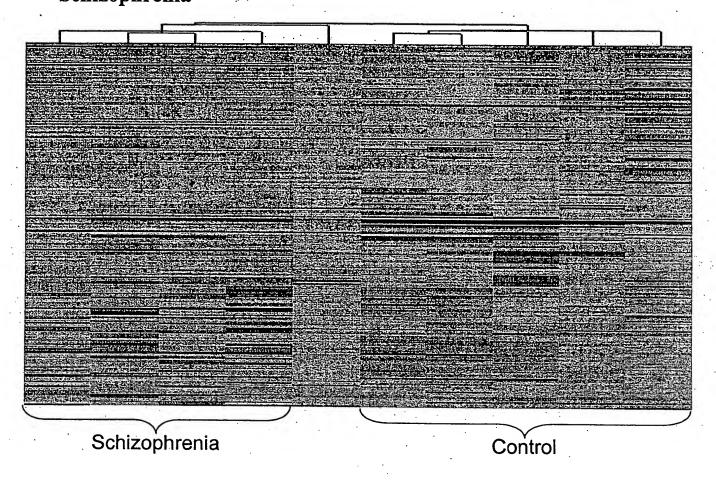


Figure 25
Liver Cancer



Control (red): n=3; Liver Cancer (orange): n=4

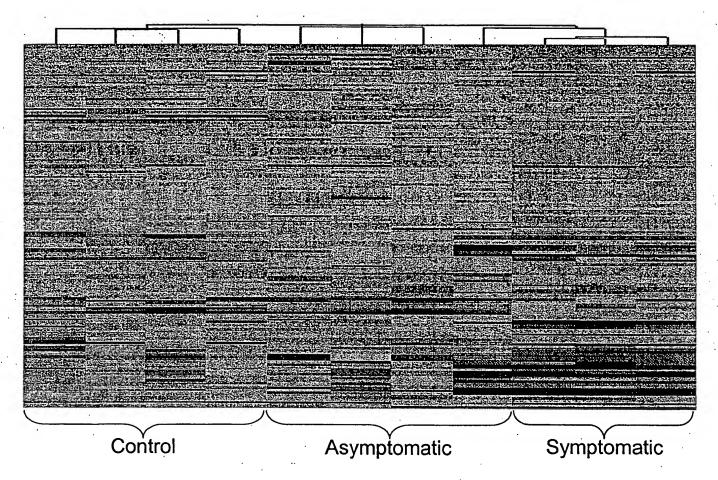
Figure 26
Schizophrenia



Control (red): n=6; Schizophrenia (orange): n=4

p<0.005 252 genes

Figure 27 Chagas Disease

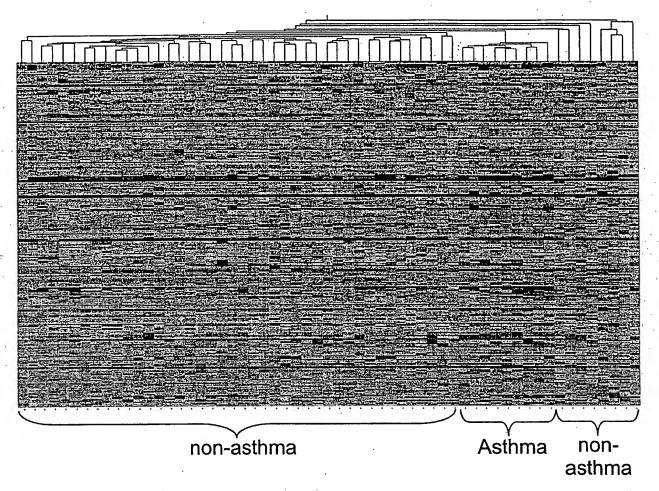


Control (orange): n=4; Chagas' asympt. (red): n=4; Chagas' sympt. (yellow): n=3

p<0.01 155 genes

Figure 28

Asthma



Asthma: n=9 Non-asthma: n=50

p<0.05 219 genes

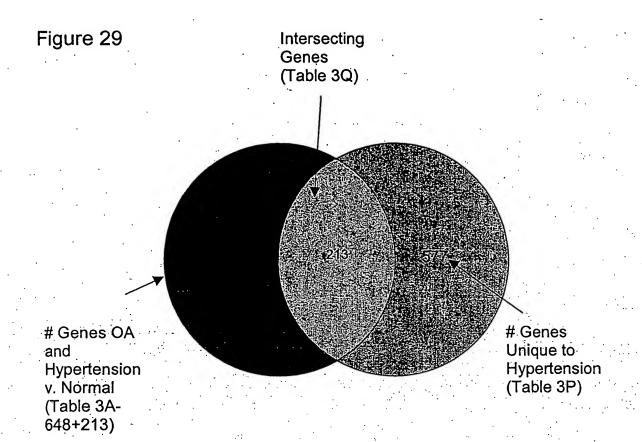
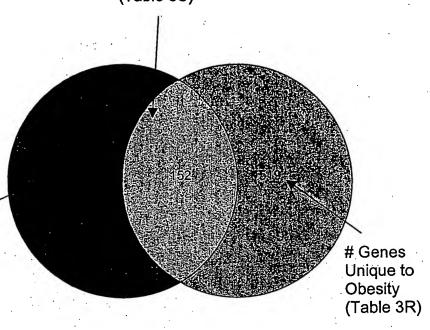
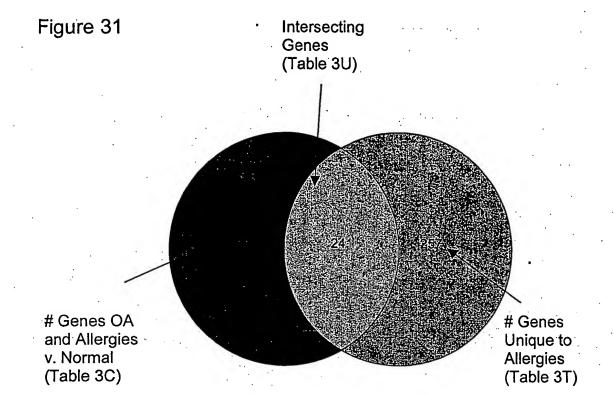


Figure 30

Genes OA and Obesity v. Normal (Table 3B) Intersecting Genes (Table 3S)





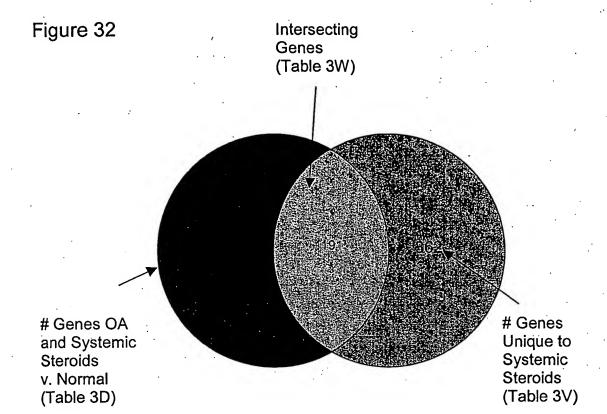
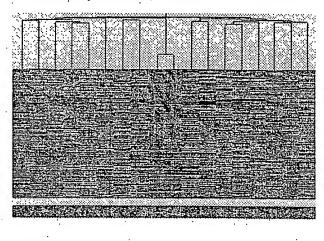


Figure 33

Schizophrenia, Batch 2 vs. MDS

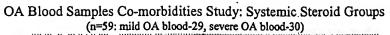


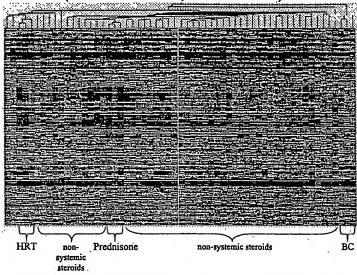
Schizophrenia (yellow): n=16; MDS (blue): n=2

p<0.05 294 genes

MDS = Manic Depression Syndrome

Figure 34





Systemic Steroids (n=9): 3 prednisone, 3 birth control, 3 hormone replacement therapy Non-systemic steroids: 50
Differentially Expressed Genes (p<0.05): 396

HRT = hormone replacement therapy; BC = birth control